



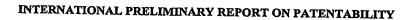
PCT

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY (Chapter II of the Patent Cooperation Treaty)

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference 020639PCT	FOR FURTHER ACTION	See Form PCT/IPEA/416				
International application No. PCT/JP2003/010861	International filing date (day/month/y 27 August 2003 (27.08.200					
International Patent Classification (IPC) or national classification and IPC G11B 7/0045						
Applicant PIONEER CORPORATION						
	 This report is the international preliminary examination report, established by this International Preliminary Examining Authority under Article 35 and transmitted to the applicant according to Article 36. 					
 This REPORT consists of a total of sheets, including this cover sheet. This report is also accompanied by ANNEXES, comprising: a (sent to the applicant and to the International Bureau) a total of sheets, as follows: 						
sheets of the description, claims and/or drawings which have been amended and are the basis of this report and/or sheets containing rectifications authorized by this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions).						
sheets which supersede earlier sheets, but which this Authority considers contain an amendment that goes beyond the disclosure in the international application as filed, as indicated in item 4 of Box No. I and the Supplemental Box.						
b. (sent to the International Bureau only) a total of (indicate type and number of electronic carrier(s)) , containing a sequence listing and/or tables related thereto, in computer readable form only, as indicated in the Supplemental Box Relating to Sequence Listing (see Section 802 of the Administrative Instructions).						
4. This report contains indications rela						
Box No. I Basis of the r	eport .	·				
Box No. II Priority Box No. III Non-establish						
	-	, inventive step and industrial applicability				
Box No. V Reasoned sta						
Box No. VI Certain docum						
Box No. VII Certain defec	ts in the international application					
Box No. VIII Certain obser	vations on the international application	1				
Date of submission of the demand	Date of comp	pletion of this report				
16 February 2004 (16.0	2.2004)	09 August 2004 (09.08.2004)				
Name and mailing address of the IPEA/JP	Authorized o	Authorized officer				
Facsimile No.	Telephone N	Telephone No.				

Translation



International application No.

PCT/JP2003/010861

BOX 140	• •	Basis of the report					
1. With other	regard wise in	I to the language, this report is based on the international application in the language in which it was filed, unless adicated under this item.					
	This whic	This report is based on translations from the original language into the following language which is language of a translation furnished for the purpose of:					
		international search (under Rules 12.3 and 23.1(b))					
		publication of the international application (under Rule 12.4)					
international preliminary examination (under Rules 55.2 and/or 55.3)							
J *** * * *	The in the de pages pages the clapages pages pages pages pages pages pages	d to the elements of the international application, this report is based on (replacement sheets which have been the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" annexed to this report): International application as originally filed/furnished escription: The received by this Authority on received by this Authority on aims: The received by this Authority on received by this Authority on as a amended (together with any statement) under Article received by this Authority on received by this Authority					
	pages'	, as originally filed/furnished					
	pages'	received by this Additity on					
	a sequ	ence listing and/or any related table(s) – see Supplemental Box Relating to Sequence Listing.					
3. 🗌		mendments have resulted in the cancellation of:					
		the description, pages					
	=	the claims, Nos.					
		the drawings, sheets/figs					
	\vdash	the sequence listing (specify):					
		any table(s) related to sequence listing (specify):					
	(Rule (eport has been established as if (some of) the amendments annexed to this report and listed below had not been since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box 70.2(c)). The description, pages					
		lies, some or all of those sheets may be marked "superseded."					

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

Internation lication No.
PCT/JP 03/10861

٧.	Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability;
	citations and explanations supporting such statement

1.	Statement			
	Novelty (N)	Claims	1-8	YES
		Claims		NO
į	Inventive step (IS)	Claims	1-8	YES
,		Claims		NO
	Industrial applicability (IA)	Claims	1-8	YES
		Claims		NO

2. Citations and explanations

Document 1: JP 11-102523 A (Nikon Corp.), 13 April 1999,

entire text, fig. 4 (Family: none)

Document 2: JP 3-022223 A (Fujitsu Ltd.), 30 January

1991, entire text, & EP 0388897 A2,

& US 5327411 A

Document 3: JP 5-012670 A (Ricoh Co., Ltd.), 22 January

1993, paragraphs [0031]-[0033], fig. 3

(Family: none)

Document 4: JP 5-143993 A (Olympus Optical Co., Ltd.), 11

June 1993, entire text (Family: none)

Claims 1 to 8

Documents 1 to 4 define the general state of the art in this technical field, and disclose features pertaining to the forming of optimal recording marks by controlling the recording power and the positioning of the front and rear edges of a recording pulse, but none of the documents cited in the international search report or newly cited in the international preliminary examination report discloses or suggests a feature wherein the position of a recording pulse is changed in response to a bias power level.